

Issue
891

January
2023

747177X

Google™

**Google: Make life easier
with a little help from our
products**



TEAM 74177X

**Google's Design Sprint
Methodology Process**

Word Count: 632

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Robotics
675 E Dale, Las Vegas,
Nevada.**

The Introduction

This Project, will show and not only demonstrate, of how VEX is related to Google's Design Process(es). I personally, believe that VEX is related with Google because they each encounter problems, have to program, and try other ideas until something works out for them. By working in VEX and VRC, in the future, you'll have many job opportunities, such as Google open up for you. I will also show how this Design Process is superior, and how it can help future VEX students, or ones who are currently in VEX.



- <https://www.google.com/about/datacenters/gallery/>



Why Google?

I chose Google because, they inspire several people working, or not working in their company. They also have several Job opportunities for people that just graduated college, or haven't been to college in a while. Google has also made several products. They become a Search Engine in 1998, and also became a company in 1998.

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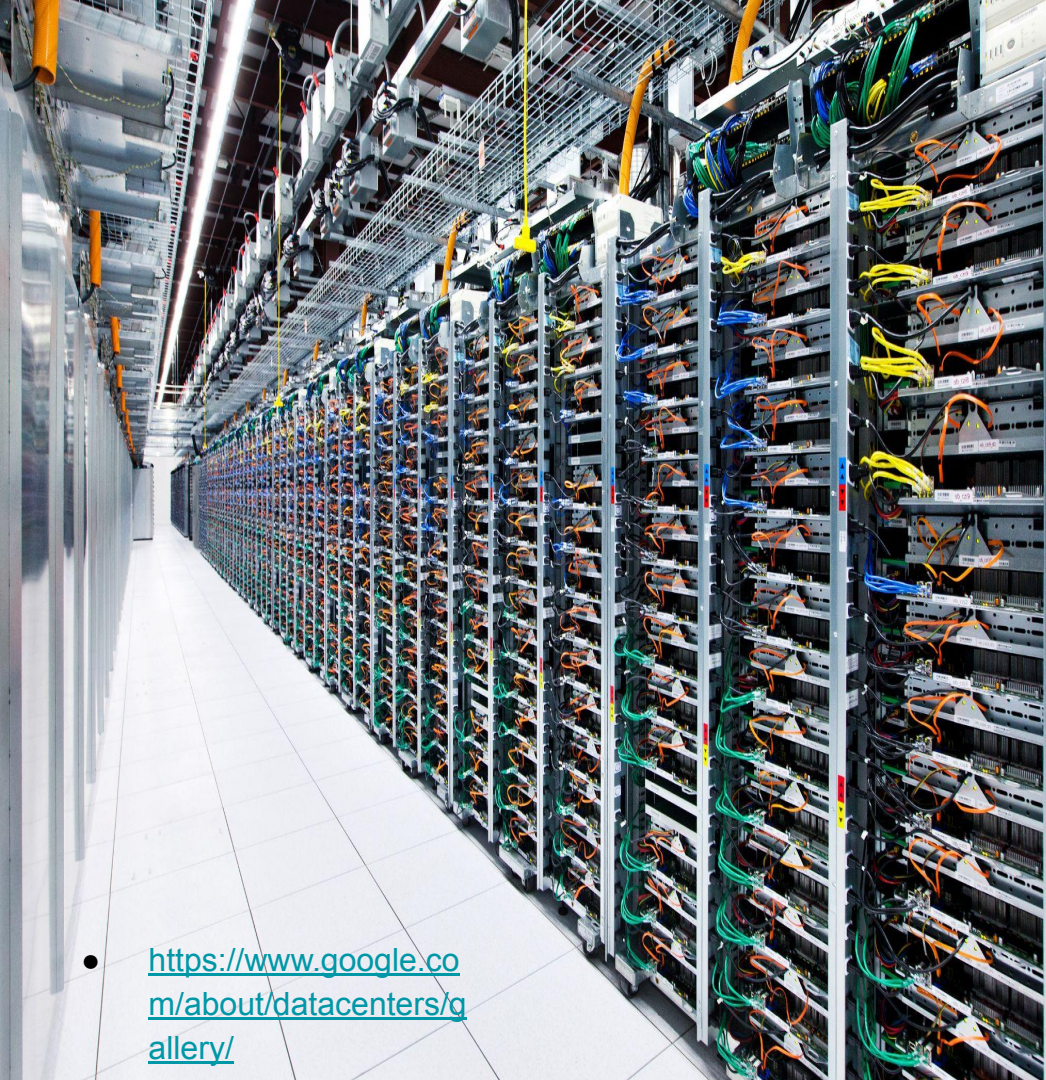


The Interview:

For the person I'm interviewing, I chose my Father. For his position at Google, he works as a Data Facility Manager. The main reason why he chose this career route is because it was a logical profession after being an Electrician for about five years. A couple of things that he does on a daily basis are Leading various projects at one time. Helping his team keep the power up, and keeping the Data Servers clean. Fun things that they're able to do at their work site are, Watching Movies, Learning new things that could help their site, offsite events, participating in events, Nerf Gun Fights, Holiday Parties, and being able to bring your dog to work most days.



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How Google uses the Design Process

At Google, they use a lot of Emphasis on the Design Discovery Phase. Researchers at Google will talk to potential Customers and Domain Experts in the field to get more inspiration on their newest product ideas. Depending on what they find in that Research, PMS either needs to increase the scope, or decrease the scope. Possibly, change the project. After, they get the idea they start working on the Core User Journeys. That's what a user needs to accomplish in a project, what their main goal is, and which goals are the most important.

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How different is VEX IQ Design Process, from Google's?

For VEX IQ, Step number one is to define the problem. This helps so you can identify, that problem and fix it immediately. Step two is to Brainstorm. If fixing the Robot didn't help, then you can come up with new ways to solve this issue, or build a new robot. Step three is to research. BY researching, you can search up new ideas for your Robot, which can possibly make it's performance better than the last. Step four is to develop ideas. Once you researched you can start crossing off ideas. Step five is to choose the best idea. Choosing the best idea can be hard, but always choose what you think is the best. Step six, you can finally start building your prototype. You may encounter errors, but thats okay! Step seven is to test and evaluate. If your robot isn't working, think about why its not working. Now for step eight, you being improvements. Fix anything that doesn't work. Finally, it's step Nine. You want to communicate your results with your team. If it still doesn't work, you'll have to begin the process all over again, until it finally works.

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How has Robotics prepared me for the Future?

Robotics has prepared me for the future because it'll open up several job opportunities for me after College. I could be an Engineer, A Robotics Teacher, Software Engineer, and much more. I could possibly work at Google if I wanted! I believe that everyone should try Robotics once in their life, because you'll never know if you'll enjoy something unless you try it out.

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Website Links:

- <https://www.google.com/url?sa=i&url=https%3A%2F%2Fwww.kcard.info%2Fnews2%2Fupcbarcodes&psig=AOvVaw2WXmqj6Dn6zhucQZHvO2R0&ust=1672933778697000&source=images&cd=vfe&ved=0CAwQjRxqFwoTCLCK4veirvwCFQAAAAAdAAAAABAD>
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